IFRS SUSTAINABILITY DISCLOSURE STANDARDS S1 & S2

THIS INTERACTIVE WORKSHOP WILL START MOMENTARILY









The SSE is a UN Partnership Programme of











Welcome Remarks

ELIZABETH SEEGER

ISSB Member



Welcome Remarks

CHARLES (CHUCK) CANFIELD

Global Corporate Governance Manager

HOUSEKEEPING

CHAT FUNCTION:

Use the chat box to introduce yourself and make comments.

Audio Settings











Leave

AUDIO SETTINGS:

All participants are currently muted to ensure everyone can hear the presenters. Please use the other functions to interact with us.

Q&A BOX:

Ask any questions you might have in the Q&A box. We will answer them throughout the session.

Today's Workshop



3.5 hours (+homework)



Live Q&A throughout



Participation expected



Certificate requires survey







BELLA CHENGCapacity Building Specialist



ROBERT SWIATOWSKI
Partnership Manager,
Capacity Building



LEARNING OBJECTIVES

Understand the ISSB Standards



LEARNING OBJECTIVES

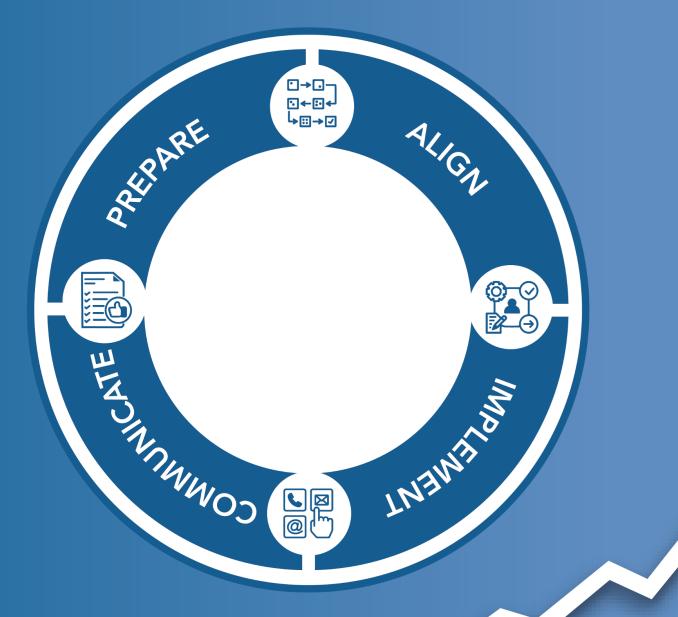
Understand how to use the ISSB standards



LEARNING OBJECTIVES

Identifying what steps can be taken to develop a disclosure plan

BREAKING IT DOWN



MODULE 1: PREPARE

What is the **case for** and **purpose of** sustainability reporting? How has the reporting **landscape evolved?**

Considering location, efficiency and user confidence when disclosing in general-purpose financial reports

MODULE 4: COMMUNICATE

□ → □ -**○← ○**← REPARE 483→1 Sustainable INEWENT Stock Exchanges

MODULE 2: ALIGN

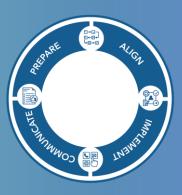
What do companies have to disclose to align with the global baseline in IFRS S1 and S2? How can additional disclosures be integrated to meet geographical, sectoral and regulatory requirements?

Identifying, evaluating, and integrating sustainability-related risks and opportunities

MODULE 3: IMPLEMENT

AGENDA

Duration: 3.5 hours	Topic:
20 minutes	Welcome & introductions
40 minutes	Module 1 – Prepare
40 minutes	Module 2 – Align part 1
5 minutes	Short break
35 minutes	Module 2 – Align part 2
35 minutes	Module 3 – Implement
30 minutes	Module 4 – Communicate
5 minutes	Homework and additional resources





TRAINING MATERIALS



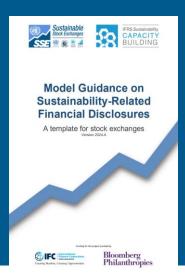
Find all training materials on the SSE website —see link in chat.

Homework assignment:

Develop a draft disclosure plan for your organization, using what you've learned in this training program















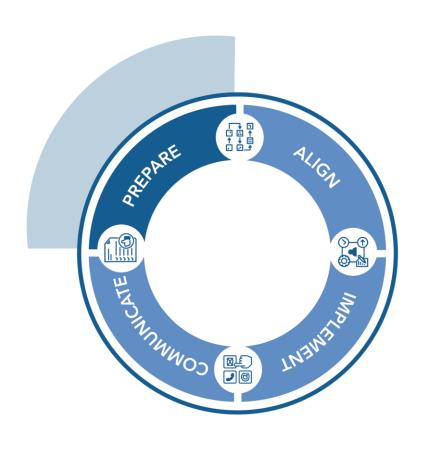
Visit www.menti.com and type the code that we are sharing in the chat

Why did you join today's training?

How much do you already know?

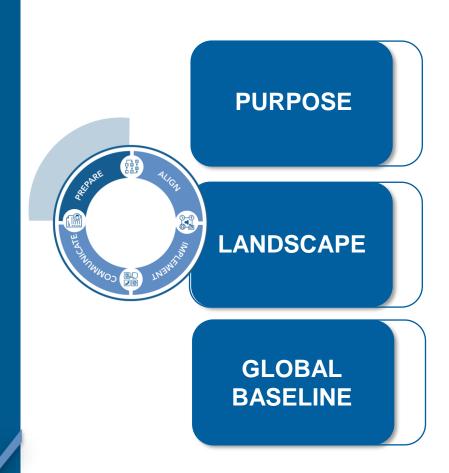


MODULE 1



Building a solid foundation of knowledge

PREPARE



PREPARE

PURPOSE

The case for and market drivers of sustainability reporting



GLOBAL BASELINE

ZOOM POLL

Select the appropriate answer

The zoom poll should appear on your screen momentarily. If it does not appear, feel free to answer in the chat box or message the hosts directly.

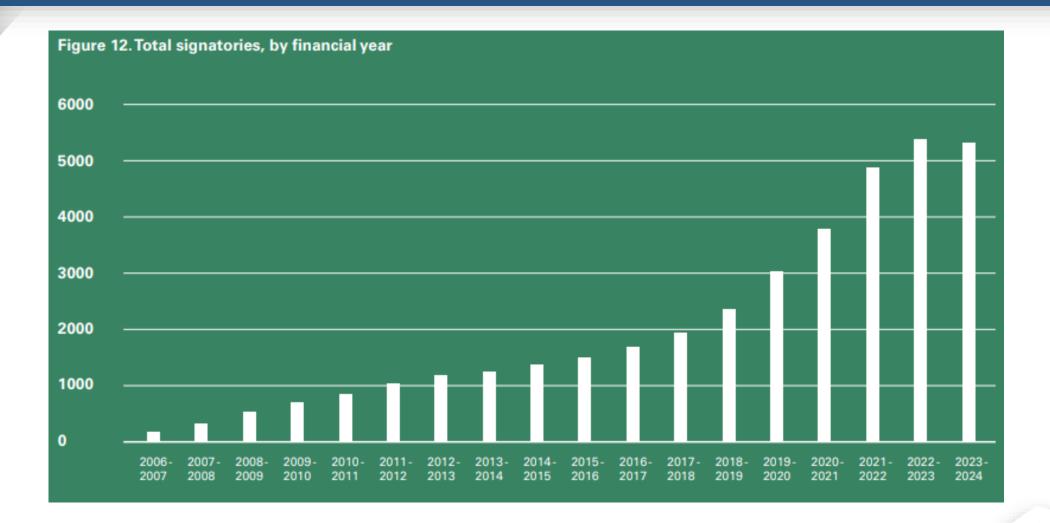
1. What are your reasons for disclosing sustainability-related information?

(Select all that apply)

- a. Regulatory requirements
- b. Sharing management's objectives
- c. Societal expectations
- d. Investor interest
- e. Other (indicate in the chat)
- f. We are not disclosing sustainability-related information yet

Growth in investor commitments







PRI DATABASE

Individual investor interest in ESG information



Top drivers globally for rising interest in sustainable investing

Percent of respondents 'significantly' or 'somewhat more' interested in sustainable investing due to the issue listed, over the last 12 months.

Rank	Driver for rising interest in sustainable investment of those investors most interested in sustainable investing	% interested
1	Financial performance of sustainable investments	74%
2	New climate science findings	71%
3	Market dynamics and broader economic performance	69%
4	Inflation	69%
5	Legislation limiting ESG considerations in investments	64%

Effects on financial performance



Changes in revenue mix or total revenue

For example, a change in demand for products and services due to shifts in consumer preferences, or changes in production capacity from input disruption or impacts on workforce management and planning, etc.

Changes in expenditures

For example, changes in operating costs, R&D expenditures required, costs associated with deploying new practices and processes, changes in production costs, changes in workforce costs, etc.

Effects on financial position



Changes to assets and/or liabilities

For example, changes to portfolio value, equity or liabilities or changes in carrying amount of assets from write-offs, asset impairment, early retirement of existing assets, acquisition of new assets, or re-pricing of assets, etc.

Changes to financing and the cost of capital

For example, changes to financing structures, insurance premiums, capital availability, etc.

Further resources

<u>IFRS Foundation Educational Material on the effects of climate-related matters on financial statements</u>

<u>ESMA – The Heat is On: Disclosures of Climate-Related Matters in the Financial Statements</u>

Recent IFRS Foundation C&A educational materials

The evolving risk environment



Global risks ranked by severity over the short and long term

"Please estimate the likely impact (severity) of the following risks over a 2-year and 10-year period.

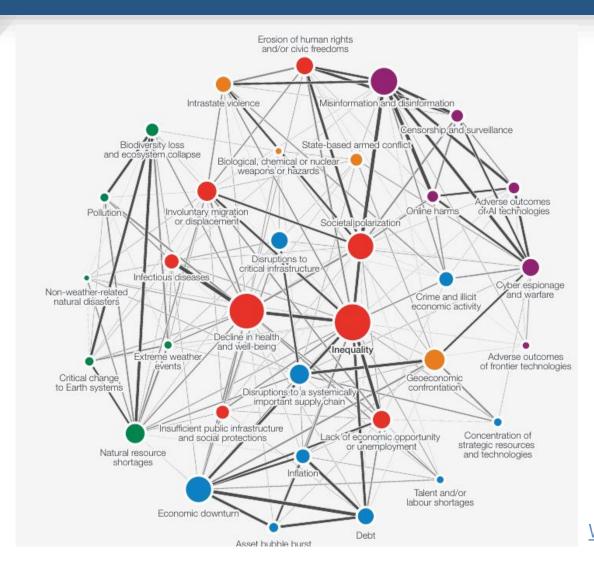
Risk categories Economic Environmental Geopolitical Societal Technological

2 years		
1 st	Misinformation and disinformation	
2 nd	Extreme weather events	
3 rd	State-based armed conflict	
4^{th}	Societal polarization	
5 th	Cyber espionage and warfare	
6 th	Pollution	
7 th	Inequality	
8 th	Involuntary migration or displacement	
9 th	Geoeconomic confrontation	
10 th	Erosion of human rights and/or civic freedoms	

10 y	10 years		
1 st	Extreme weather events		
2^{nd}	Biodiversity loss and ecosystem collapse		
3 rd	Critical change to Earth systems		
4^{th}	Natural resource shortages		
5 th	Misinformation and disinformation		
6 th	Adverse outcomes of AI technologies		
7^{th}	Inequality		
8 th	Societal polarization		
9 th	Cyber espionage and warfare		
10 th	Pollution		

Connections between risks





Sustainability-related risks and opportunities are highly interconnected, both across ESG topics and with other business risk types...



PREPARE



ZOOM POLL

Select the appropriate answer

The zoom poll should appear on your screen momentarily. If it does not appear, feel free to answer in the chat box or message the hosts directly.

2. What frameworks are you currently using?

(Select all that apply)

- **a. CDP** (formerly Carbon Disclosure Project)
- b. Global Reporting Initiative (**GRI**)
- C. Integrated Reporting
- d. Sustainability Accounting Standards Board (SASB)
- e. Task force on climate-related financial disclosures (TCFD)
- f. UN Global Compact (UNGC)
- g. Others (indicate in the chat)

Structure of the IFRS Foundation



Public accountability

IFRS Foundation Monitoring Board

Governance, strategy, oversight

IFRS Foundation Trustees

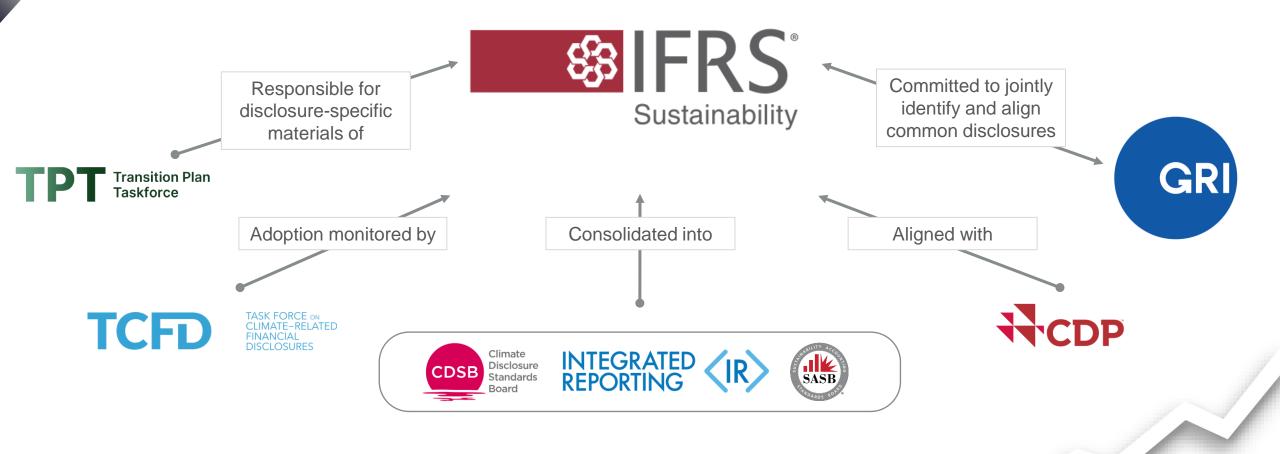
Independent standard-setting

International Accounting Standards Board (IASB)

IFRS Interpretations Committee (IFRIC)

International Sustainability
Standards Board (ISSB)





ZOOM POLL

Select the appropriate answer

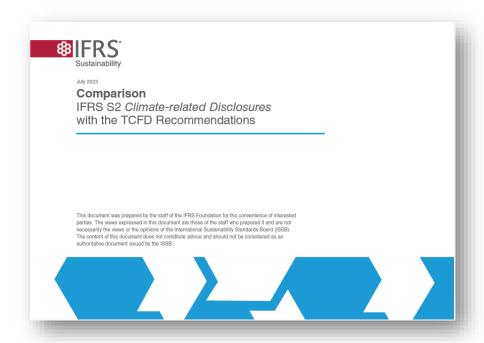
The zoom poll should appear on your screen momentarily. If it does not appear, feel free to answer in the chat box or message the hosts directly.

3. Companies who disclose using the TCFD recommendations automatically comply with the ISSB Standards.

- a. True
- b. False

Moving from TCFD to ISSB





- TCFD culminated in 07/2023 and the IFRS Foundation has now assumed responsibility of TCFD monitoring (see news item here)
- In some cases, IFRS S2 uses different wording to capture the same information as the TCFD
- IFRS S2 requires more detailed information that is in line with the TCFD
- IFRS S2 provides some additional requirements and guidance

Setting a global baseline



Additional building block can be added to meet:

- Jurisdiction-specific requirements
- Broader multi-stakeholder needs

ISSB Standards

- A comprehensive foundation of disclosures for global jurisdictional adoption
- Common language for comparable, decision-useful disclosures
- Designed to meet investor needs across global capital markets

Global backing for a global standard





ISSB

provide comprehensive global baseline through Standards



IOSCO

endorses ISSB Standards recommending adoption



Audit standard-setters

enhance and develop assurance standards



Jurisdictions

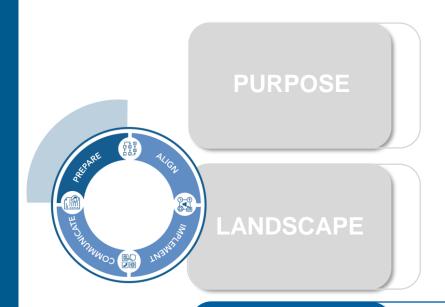
require by adopting the Standards



Market participants

voluntarily opt to apply the Standards

PREPARE



GLOBAL BASELINE

An overview of IFRS S1 and S2

Important terms



- Sustainability-Related Financial Information information about a company's sustainability-related risks and opportunities that is useful to primary users of general-purpose financial reports in making decisions about providing resources to the company (IFRS S1.1).
- Sustainability-Related Risks & Opportunities those risks and opportunities that
 could reasonably be expected to affect the company's prospects i.e.: cash flows, access
 to finance or cost of capital over the short, medium or long term (IFRS S1.3).
- General Purpose Financial Reports sustainability-related financial disclosures could be included in a company's management commentary or a similar report when it forms part of a company's general purpose financial reports.

Core content areas



GOVERNANCE

- Governing Body
- Management

STRATEGY

- Risks & Opportunities
- Effects on
 - a) business model & supply chain,
 - b) strategy
 - c) financial & cash flows
- Resilience

RISK MANAGEMENT

- Processes for risk management
- Overall risk profile

METRICS & TARGETS

- Metrics
- Targets

IFRS S1: General requirements

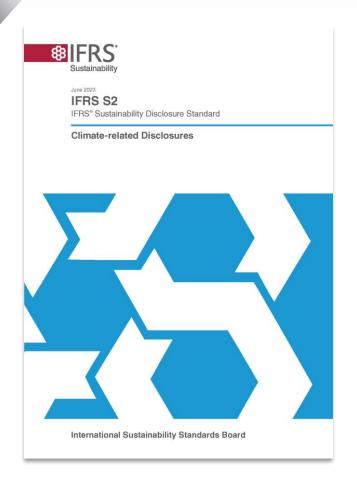




- Requires material information about sustainability-related risks and opportunities with the financial statements to meet investor information needs
- Applies Task Force on Climate-related Financial Disclosures (TCFD) architecture
- Requires industry-specific disclosures
- Refers to sources to help companies identify sustainabilityrelated risks and opportunities and information beyond climate (IFRS S2)
- Can be used with any accounting requirements (GAAP)

IFRS S2: Climate-related disclosures





- Incorporates the TCFD recommendations
- To meet investor information needs, IFRS S2:
 - is used in accordance with IFRS S1
 - requires disclosure of material information about climaterelated risks and opportunities, including physical and transition risks
 - requires industry-specific disclosures supported by accompanying guidance built on SASB Standards

IFRS S1 and S2 together





IFRS S2 is to be applied in accordance with IFRS S1 because S1:

- Establishes important conceptual foundations, e.g.: connected information, value chains
- Provides important guidance on the assessment of materiality
- Sets out the qualitative characteristics of the information to be provided, e.g.: relevant and faithful representation
- Sets out requirements and concepts for reporting, for example:
 - the reporting company
 - timing and location of reporting
 - connections and comparative information in reporting

Conceptual Foundations



- Fair presentation: A complete set of sustainability-related financial disclosures should fairly present all sustainability-related risks and opportunities that could reasonably affect the company's prospects
- Reporting company: The reporting company for sustainability-related financial disclosures to be the same as the reporting company for the general purpose financial statements.
- Connected information: IFRS S1 asks for information that enables understanding of the connections between –
 - sustainability-related risks and opportunities
 - disclosures on core content
 - sustainability-related financial disclosures and financial statements

EXAMPLE

Connected information



The final (or sufficiently resolved) results of our climate-related risk assessments across our short-, medium- and long-term time horizons (as described on the previous page 49), as well as our 1.5°C scenario, are considered and integrated into our strategy and as a sensitivity in our capital allocation processes. This enables us to test the extent to which our business and capital allocation are aligned with a rapidly decarbonising global economy.

We are undertaking our studies of physical climate-related risks to progressively identify, assess and quantify the potential future impacts to site operations, productivity and estimated cost for our operated assets. Once the results of the risk quantification studies for our operated assets are completed, we propose to use the results to inform updates to our risk profile, including new risk management activities, inform corporate planning, identify areas where we should focus our assessment of new or strengthened controls or adaptation responses, and assess the financial and social value of adaptation measures.



For an overview of how climate-related issues have impacted our operational activities and our approach with respect to our value chain refer to Operational GHG emissions (Scopes 1 and 2 emissions from our operated assets) on pages 44 to 46 and Value chain GHG emissions (Scope 3 emissions) on pages 46 to 48 in this **OFR 6.9**



For more information on potential financial statement impacts due to climate-related risks, refer to Financial Statements note 16 'Climate change' on pages 162 to 165 in this Report



For more information on the studies we are undertaking to assess our exposure to physical climate-related risks refer to Physical climate-related risk and adaptation on page 51 in this **OFR 6.9**



For more information on our commodity production, revenue and expenditure refer to Climate-related metrics, targets and goals on pages 52 to 59 in this **OFR 6.9**

Connection between climate scenario analysis and business strategy

Connection to corporate risk and planning processes

Connection to further information in other parts of the report

ZOOM POLL

Select the appropriate answer

The zoom poll should appear on your screen momentarily. If it does not appear, feel free to answer in the chat box or message the hosts directly.

4. What information should be considered for connected information?

(Select all that apply)

Connections between:

- a. Governance, strategy, risk management and metrics & targets
- b. Sustainability-related financial disclosures and financial statements
- c. Sustainability-related risks and opportunities





- A company shall disclose material information about the sustainability-related risks and opportunities that could reasonably be expected to affect the company's prospects.
- Information is material if omitting, misstating or obscuring that information could reasonably be expected to influence decisions that primary users of general purpose financial reports make on the basis of those reports
- Primary users of general purpose financial reports are existing and potential investors, lenders and other creditors

Additional guidance





Application Guidance

Guidance, sometimes presented as an appendix to a Standard. This is just a question of location – this material is still a required piece of the standard



Accompanying Guidance

Guidance issued alongside a Standard to assist companies, demonstrating how the requirements in the Standard could be applied often using examples (nonmandatory)



Educational materials

Separate materials developed to help companies apply the Standards

Published with the Standards.

Published over time to meet preparer needs.

ZOOM POLL

Select the appropriate answer

The zoom poll should appear on your screen momentarily. If it does not appear, feel free to answer in the chat box or message the hosts directly.

- 5. Water is a vital input to your business, but the ISSB Standards do not currently have a specific standard on water. What do you do:
- a. Do not disclose anything about water.
- b. Consult the sources of guidance listed by ISSB.
- c. Engage a consultancy to help.
- d. Copy your competitors' reporting.

Module 1 Summary



Start by understanding the benefits of improved disclosure

There can be **important benefits** externally (ie investors interest) and internally (ie enhanced resilience and strategy) from applying the ISSB Standards

Use the ISSB Standards as the baseline – build on top of that

ISSB Standards represent a global baseline for sustainability related financial disclosure that **simplifies the landscape** and provides a comprehensive foundation of disclosure that **allows other building blocks of information to be added on top of ISSB**

Be clear who your audience is

ISSB Standards plus guidance are designed to meet the needs of primary users of general-purpose financial reports and follow the core principles of financial disclosures including fair presentation and connected information.

MODULE 1 ACTIVITY



How will you define the objectives for your sustainability disclosures?

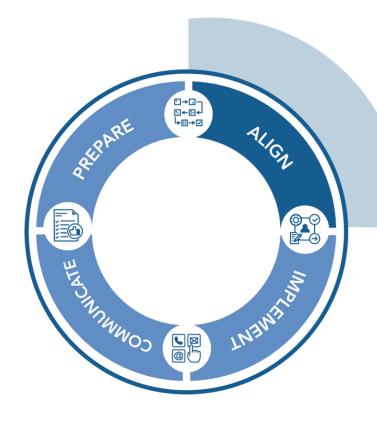
- 1. Setting the goals: Be clear on what you are trying to achieve through your sustainability disclosures, or any plans to adapt them.
- 2. **Define requirements**: Identify what reporting requirements you are seeking to meet through your disclosures, such as jurisdictional requirements or standards.
- 3. Consider where you are now: What is missing in your current disclosures to allow you to achieve this?



Visit www.menti.com and type the code that we are sharing in the chat

What objectives are you aiming to achieve through your sustainability disclosures?

MODULE 2



Setting the direction: Applying the ISSB standards & integrating additional disclosures

ALIGN



ALIGN



APPLYING THE STANDARDS

Applying the IFRS Sustainability Disclosure Standards as the global baseline

ADDITIONAL DISCLOSURES

The Core content



GOVERNANCE

- Governing Body
- Management

STRATEGY

- Risks & Opportunities
- Effects on
 - a) business model & supply chain,
 - b) strategy
 - c) financial & cash

flows

Resilience

RISK MANAGEMENT

- Processes for risk management
- Overall risk profile

METRICS & TARGETS

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Ruestions to evaluate (governance)

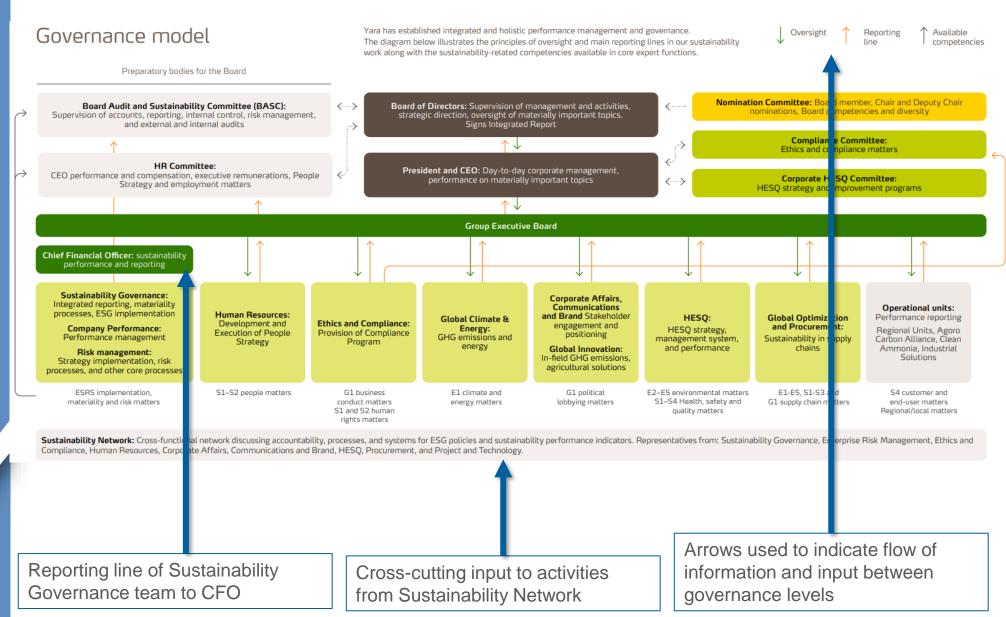


- Which Board and Management bodies or committees are responsible for sustainability and climate-related risks and opportunities?
- What are their skills and competencies? (How is this determined?)
- What processes and controls do they use for managing risks and opportunities?
- How and when do they get informed about risks and opportunities?
- What are their roles and responsibilities?
- What sort of decisions do they make and what targets do they set based on risks and opportunities?
- How are related performance metrics included in remuneration policies?

EXAMPLE

Governance model

Example source: <u>Yara Integrated Report 2024</u>, pg. 75



EXAMPLE

Sustainability Committee (Formerly CSR Committee)

Governance model Frequency Generally once a year (and as necessary) Executive in charge of enterprise risk and compliance Chairperson management Chairman, president, executive vice president, general Cross functional members of the managers of each business division, administrative committee manager, executive in charge of human resources, Members executive in charge of accounting, executive in charge of the environment, senior technical executives, related senior executive officers/executive officers, full-time audit & supervisory board members, and external experts Location within the organisation Office Enterprise Risk and Compliance Management Department Approve action plans on sustainability, encompassing CSR Materiality, and targets (medium term and full year) Actions taken in the reporting year and evaluate activity results Main Agenda Determine the direction of our approach to sustainability that captures the opinions of stakeholders and social trends Revise the Sustainability Policy

G Core content



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Questions to evaluate (strategy)



- What risks and opportunities that could reasonably be expected to affect a company's prospects have been identified?
- Over what time horizons (short, medium or long term) is that effect expected to occur?
- If it is a climate-related risk, is it a physical or transition risk?

Find a summary of requirements in the SSE Gap Analysis Checklist here

Example of risk identification



Our principal risks				Link to strategy			
			Delegated risk owner				800 S
Strategic	0	Industry productive capacity		•	•		
	2	Product substitution			•		•
	3	Fluctuations and variability in selling prices or gross margins	Executive Committee	•	•		•
	4 Country risk		-		•		
	6	Climate change risks	Group Head of Sustainable Development	•	•		•
Financial	6	Capital structure	Group CFO	•	•		
	7	Currency risk	Group Treasurer	•	•		
	8	Tax risk	Group Head of Tax	•	•		
Operational	9	Cost and availability of raw materials	Chief Procurement Officer	•			
	0	Energy security and related input costs	0 11 1 10 11	•	•		
	0	Technical integrity of our operating assets	- Group Head of Operations		•		
	12	Environmental impact	Group Head of Sustainable Development	•			
	B	Employment and contractor health and safety	Group Head of Safety & Health			•	
	1	Attraction and retention of key skills and talent	Chief People Officer			•	
	(Cyber security risk	Chief Information Officer	•	•	•	•
Compliance	16	Reputational risk	Executive Committee		•	•	•

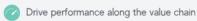
Climate ch	ange-related risks	An financi
Physical	Higher wood procurement costs	
risks	2. Risk of flooding	
• •	3. South African plantation yield loss	
Transition	4. Energy supply costs	
risks	5. GHG emissions regulatory changes (net impact)	
	6. Asset impairment risk ¹	
Total clima	ate change-related risks	
Climate ch	nange-related opportunities	
1. Changing	g customer behaviour	
2. Reduced	d operating costs through energy efficiency	
Total clima	ate change-related opportunities	
1 The asset i	impairment risk is a one-off write-down and not annually	recurring.

		Annual estimated	Timeframe		Scenario sensitivity			
Climate change-related risks		financial impact (€m)	Short	Medium	Long	1.5°C	2°C	BAU
Physical	1. Higher wood procurement costs	75-140			•		•••	••••
risks	2. Risk of flooding	15-85			•	•	••	••••
	3. South African plantation yield loss	15-20		•		•	••	•••
Transition risks	4. Energy supply costs	60-110		-		•••••	••••	••
	5. GHG emissions regulatory changes (net impact)	40-80	_	-		••••	••••	•••
	6. Asset impairment risk ¹	10-30			-	••••	•••	•
Total climat	tal climate change-related risks							
Climate cha	nge-related opportunities							
Changing customer behaviour		120-240				••••	••••	••
Reduced operating costs through energy efficiency		15-25		-		••••	••••	••
Total climate change-related opportunities		135-265						
				Anticipated risk or oppo		••••	High likeli	hood
			•	Estimated for			Low likeli	hood

Example Source: Mondi Group Integrated Report 2024 pg 63 & 55

Link to strategy

Our principal risks, independently or in combination, may impact the Group's ability to deliver on its strategy. The above table indicates the components of our strategy that are most likely to be impacted as a result of each principal risk and are defined below:



Invest in quality assets

Empower our people

Partner with customers

Time horizons





Cash flow, investment and business cycles



Planning horizons for strategic decision-making and capital allocation



Assessment periods used by investors



Life of assets

- Time horizons are company specific and may include industry specific characteristics
- You don't have to stick to one time horizon. It depends what you are trying to strategise for and why – see for example <u>Three Horizons Framework</u>



Questions to evaluate (strategy)



- What are the current and anticipated effects of those risks and opportunities on the company's business model and value chain, strategy and decision making, and financial position, performance and cash flows?
- What type of effect is expected and where will that effect take place?
- What is the actual and planned response to the effects identified?

Example

Effects on the business model and value chain

Selected projects in the 2024 reporting year

BASF and ENGIE: long-term biomethane purchase agreement in Europe

(see E1 Climate Change)

Funding approval for the world's largest industrial heat pump for emission-free steam generation (see E1 Climate Change)

Market launch of loopamid®, the first circular solution for apparel made from polyamide 6

(see E5 Resource Use and Circular



Upstream value chain

Procurement of bio-based and recycled raw materials

Renewable energy

Supplier management

- Code of Conduct
- Sustainability-related assessments
- Supplier CO₂ Management Program



Own production

Gradual implementation of new processes

- Feed-in of bio-based and recycled raw materials
- Emission reduction

Secure, efficient processes

- Operational excellence
- Integrated Verbund structure
- Smart technology and automation



Downstream value chain

Steering the product portfolio with the TripleS method

- More products with sustainability benefits: Sustainable-Future Solutions
- More products that close or extend loops: Loop Solutions





Qualitative and quantitative disclosures



When reporting the effects of sustainability-related risks and opportunities on a company's current and anticipated financial performance, financial position and cash flows

- A company is required to disclose both quantitative (a single amount or a range) and qualitative information
- A company can provide qualitative rather than quantitative information when:
 - The financial effects of the risk or opportunity are not separately identifiable
 - There is a high level of measurement uncertainty
 - For anticipated effects, quantitative information would not be commensurate with the company's skills, expertise and resources

EXAMPLE

Financial Effects

Changing climate and extreme weather events (physical risk)

Rising temperatures and increasing drought frequency reduce crop outputs and increase commodity prices

				€bn impact on net profit (as a % of net revenue)			
Description	Assumptions	Scenario	Risk type	2030	2039	2050	
Extreme weather events such as sustained high	commodities by an average of 17% (1.5°C) – 40% (4°C). By 2050, extreme weather causes α 0.7% (1.5°C)- 1.1% (4°C) loss in	1.5°C	Gross	-0.8 (-1.3%)	-1.2 (-1.5%)	-1.9 (-1.7%)	
temperatures increase the probability of crop failures and reduced crop yields.		1.5 C	Net	-0.8 (-1.3%)	-1.2 (-1.5%)	-1.8 (-1.7%)	
and reduced crop yields.		<2°C	Gross	-0.9 (-1.5%)	-1.4 (-1.8%)	-2.3 (-2.1%)	
	revenue due to reduced crop availability. • Assumes 0% pass-through of costs		Net	-0.9 (-1.4%)	-1.4 (-1.7%)	-2.2 (-2.0%)	
	to customers.		Gross	-0.9 (-1.5%)	-1.6 (-2.0%)	-2.9 (-2.6%)	
	 Net risk A share of crop prices is fixed via hedging instrument. 	<3°C	Net	-0.9 (-1.4%)	-1.6 (-1.9%)	-2.7 (-2.5%)	
		. 405	Gross	-1.0 (-1.6%)	-2.0 (-2.5%)	-3.8 (-3.4%)	
		>4°C	Net	-1.0 (-1.5%)	-1.9 (-2.4%)	-3.6 (-3.3%)	

Assumptions for the assessment disclosed for each risk

Both gross (no action take) and net (mitigations applied) financial impacts assessed

Both absolute financial figures and proportional effects provided



Questions to evaluate (strategy)

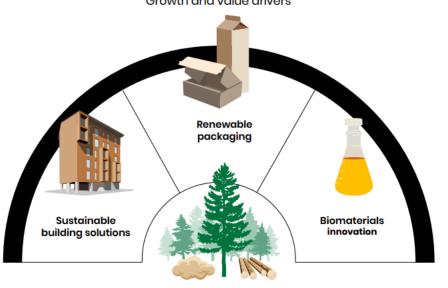


- What is the company's capacity to adjust to the uncertainties arising from sustainability-related risks (and how this is determined)?
- How is a scenario analysis already being used (or going to be used) to assess climate resilience?

Example

Strategy and decision making

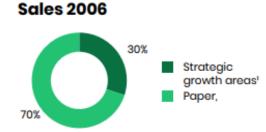
Sustainability supports our growth strategy Growth and value drivers

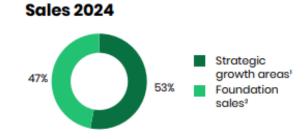


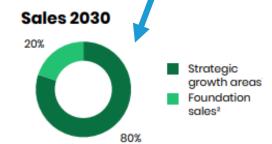
Projected future growth in contribution of growth businesses to sales

Forest
Pulp, traditional wood products

Strategic growth areas







Calculations are based on external sales.

¹ Strategic growth areas include Renewable packaging, Sustainable building solutions, and Biomaterials innovations.

² Foundation businesses include pulp, traditional wood products, and forest.

Example source: Solvay 2024 Annual Integrated Report, page 125-126

Example

Scenario Analysis

Climate-Related Transition Risks and Opportunities

Transition risks and opportunities are associated with the shift toward a low-carbon economy and the regulatory, market, and technological changes that accompany this transition.

Solvay performed a dedicated analysis of transition risks and opportunities in 2022 and 2023, focusing on three business units: Soda Ash & Derivatives, Peroxides, and Special Chem, which represent 73% of Solvay's 2022 sales.

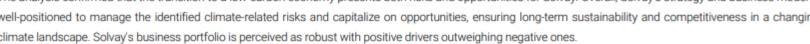
The analysis evaluated the potential impacts of new technology adoption, market dynamics, policy and regulation changes, and supply chain engagement over two time horizons 2030 and 2050. Assumptions of price and cost changes, volume changes, and adaptation potential were taken from the consultant's models, which helped us conduct this analysis.

The following scenarios proposed by the International Energy Agency (IEA) were considered:

- → 1.5°C scenario, representing a pathway where global warming is limited to 1.5°C above pre-industrial levels (IEA Net Zero Emissions Scenario 2021)
- → 3°C scenario, representing a pathway with higher GHG emissions and greater climate change impacts (IEA Stated Policy Scenario 2021)

Green hydrogen	(-2)	0
Coal phase-out	+2	+1
Oil and gas	+1	(-2)
Electronics	+2	+2
Automotive	(-2)	+1
Buildings	+2	+1
CO ₂ price	(-3)	(-2)
CO ₂ emission reduction	+2	+1
Supply chain engagements	+1	+1
_	Coal phase-out Oil and gas Electronics Automotive Buildings CO ₂ price CO ₂ emission reduction	Coal phase-out +2 Oil and gas +1 Electronics +2 Automotive (-2) Buildings +2 CO2 price (-3) CO2 emission reduction +2

The analysis confirmed that the transition to a low-carbon economy presents both risks and opportunities for Solvay. Overall, Solvay's strategy and business model is well-positioned to manage the identified climate-related risks and capitalize on opportunities, ensuring long-term sustainability and competitiveness in a changing climate landscape. Solvay's business portfolio is perceived as robust with positive drivers outweighing negative ones.





ZOOM POLL

Select the appropriate answer

The zoom poll should appear on your screen momentarily. If it does not appear, feel free to answer in the chat box or message the hosts directly.

- 6. A company may choose to disclose only qualitative information and/or combined quantitative information about current and anticipated financial effects when:

 (Select all that apply)
- a. The company cannot separate the effects of a climate-related risk or opportunity from other effects.
- b. There is a high level of measurement uncertainty.
- c. The quantitative information sheds a negative light on the company.



计 From TCFD to ISSB (Strategy)



Disclosure requirements in IFRS S2 are broadly consistent with TCFD except, IFRS S2:

- Requires a company to refer to and consider the applicability of industry-based disclosure topics.
- Requires more detailed information on where in business model and value chain risks and opportunities are concentrated.
- Requires more detailed information on effects of climate-related risks and opportunities
- Sets out criteria for when quantitative and qualitative information is required for disclosure of current and anticipated financial effects.
- Requires use of all reasonable and supportable information that is available at the reporting date without undue cost or effort and the use of an approach that is commensurate with the company's circumstances for specific requirements.
- Does not specify the particular scenarios for climate-related scenario analysis.
- Requires additional information regarding resiliency.

活 Transition plans

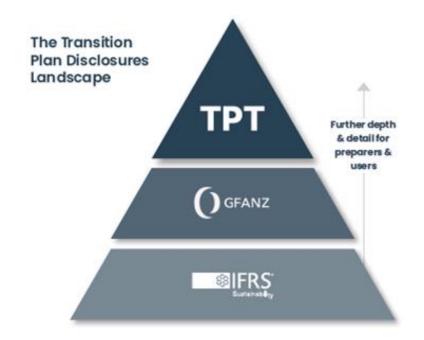


An aspect of the company's overall strategy that includes targets, actions or resources for the transition towards a lower-carbon economy, including, for example GHG emissions reductions plans.

- Align (internally) with strategy, business case and business motivation and decarbonization levers most economically and technologically feasible for the company
- Align (externally) goals with science, including net zero pledges, climate neutrality goals and Paris aligned commitments
- Set long term goals with clear mitigation and adaptation activities and targets and interim milestones
- Be transparent about dependencies, risks, challenges of executing the transition plan and explain how residual and unabated
 GHG emissions will be treated
- Follow sector specific pathways
- Consider how the Transition Plan will be evaluated and give it the hallmarks of credibility

ばけ Transition plan resources



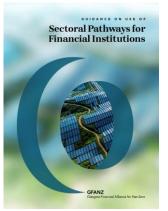




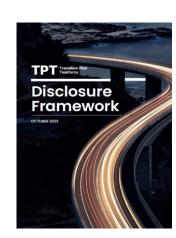
Real economy



Financial institutions



Sectoral pathways

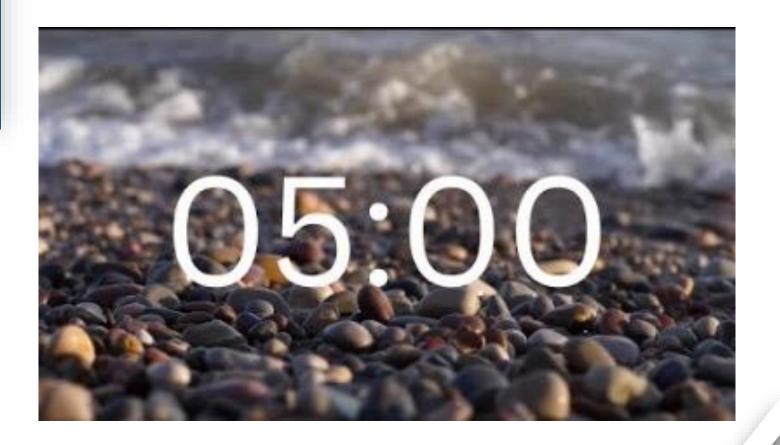


Transition pathway disclosure framework

Pathway expectations

QUICK BREAK

Over the break, feel free to ask any questions you have in the Q&A





Core content



GOVERNANCE

- Governing Body
- Management

STRATEGY

- Risks & Opportunities
- Effects on
 - a) business model & supply chain,
 - b) strategy
 - c) financial & cash

flows

Resilience

RISK MANAGEMENT

- Processes for risk management
- Overall risk profile

METRICS 8
TARGETS

- Metrics
- Targets

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Questions to evaluate (risk mgmt.)



- What processes and policies are being used to identify, assess, prioritise and monitor sustainability-related risks?
- What processes and policies are being used to identify, assess, prioritise and monitor sustainability-related opportunities?
- How is sustainability risk & opportunity management integrated into the company's overall risk management process?





Disclosure requirements in IFRS S2 are broadly consistent with TCFD except, IFRS S2 requires:

- More detailed information about the input parameters used to identify risks, whether and how a climate-related scenario analysis is used to inform risk identification, and whether risk management processes have changed
- Additional disclosures on the processes used to identify, assess, prioritise and monitor opportunities, and how this is integrated into and informs the company's overall risks management process



Climate-related risks



Types of risk

Transition risks

- Policy & Legal
- Technology
- Market
- Reputation

Physical Risks

- Acute
- Chronic

Examples

- Increased pricing of GHG emissions
- Enhanced reporting obligations
- Exposure to litigation
- Cost of transition to lower-emission technologies
- Changing customer behavior
- Uncertainty in market signals
- Increased cost of raw materials
- Stigmatization of sector
- Increased severity of extreme weather events
- Changing weather patterns

Financial effects

- cash flows,
- access to finance
- cost of capital
- over the short, medium and long term



Climate-related opportunities



Types of opportunities

- Resource Efficiency
- Energy Source
- Products and Services
- Markets
- Resilience

Examples

- Improving resource efficiency across value chain
- Use of lower-emission sources of energy
- Use of supportive policy incentives
- Use of new technologies
- Development of low emission goods/ services
- Access to new markets
- Differentiating against competitors
- Resource substitution/ diversification

Financial effects

- cash flows
- access to finance
- cost of capital
- over the short, medium and long term

Example

Risks and opportunity assessment

Example source: RS Group Annual Report 2024, page 65

2023/24 actions on our CRROs:

CRRO		Description	Business owners	Metrics monitored	2023/24 initiatives, progress and investment activities
Physical			,		
Risk	4. Distribution sites: Impact of extreme heat Strategic action alignment: Connected stakeholders:	Increased costs associated with installation of high-efficiency cooling systems and / or potential impacts on the health, safety and wellbeing of people working at our distribution sites which could reduce productivity. Key material site identified to be exposed to extreme heat is our regional distribution site in Fort Worth, US	Chief of P&SC and RPs	 Distribution site operating temperatures Worker productivity and absence during high-heat periods (>35°C and >40°C) Capital expenditure in heating, ventilation and air conditioning (HVAC) systems has been embedded in goodwill impairment on page 95 	- Employee productivity monitored in distribution sites during high-heat periods with regular breaks and refreshments - Building upgrades and new building management system installed at our regional DC in Fort Worth, US, supporting HVAC optimisation (c. £0.5 million capital investment) - New, modern and energy-efficient FC in Madrid, Spain and improvement in roof insulation and windows at our regional Beauvais DC, France, to reduce solar gain (c. £1 million capital investment) 2024/25 focus: Ongoing mitigation through business continuity planning, review additional sites for HVAC and fabric improvement options
Risk	5. Distribution sites: Impact of extreme weather Strategic action alignment: Connected stakeholders:	Extreme weather events, including flooding, storms and tornadoes, have the potential to disrupt our operations and logistics and cause physical damage to our infrastructure. Our regional distribution sites in Fort Worth, US was identified to be the key site at risk, due to physical exposure and strategic importance for our Americas distribution network	Chief of P&SC and RPs	 Distribution site insurance costs Frequency and cost impact of severe weather events on distribution sites Investment in distribution site facility improvements 	- Proactive business continuity planning by our regional DC team in Fort Worth, US, includes mitigations such as drop shipments, alternative warehousing, updated contingency plan and enhanced revenue recovery procedures 2024/25 focus: Ongoing mitigation through business continuity planning
				A	

Connection of each risk or opportunity to wider business strategy and stakeholders

Owner or risk and internal metrics utilised to monitor emergence and management of the risk

Activities in the reporting year taken to manage risk or opportunity, including capital investment figures, and future focus for the upcoming year





GOVERNANCE

- Governing Body
- Management

STRATEGY

- Risks & Opportunities
- Effects on
 - a) business model & supply chain,
 - b) strategy
 - c) financial & cash

flows

Resilience

RISK MANAGEMENT

- Processes for risk management
- Overall risk profile

METRICS & TARGETS

- Metrics
- Targets

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Questions to evaluate (metrics)



- What metrics are being used to measure and monitor sustainability-related risks and opportunities?
- What metrics specifically relate to climate-related risks and opportunities?
- What industry-based metrics are being used?
- How are these metrics defined and calculated?
- How is performance tracked, using these metrics?



Metrics considerations



Metrics must:

- Enable primary users to understand the company's performance on sustainability-related risks and opportunities
- Be reported by an applicable IFRS Sustainability Disclosure Standard e.g. IFRS S2
- Include metrics the company uses
- Be associated with industry-specific business models, activities and common features
- Be consistent over time

Metrics can:

- Be taken from a source other than ISSB Standards
- Be developed by the company
- Be associated with the industry-specific business models, activities and common features (an company shall refer to and consider the applicability of the metrics associated with the disclosure topics included in the SASB Standards)



Questions to evaluate (targets)



- Are targets set by the company or by law or regulation?
- Are the targets used qualitative or quantitative?
- What is the associated metric used to set the target? (also see questions on metrics)
- Over what period of time do the targets apply and what base period is being used?
- What milestones and interim targets are being set to track progress?
- Have there been any revisions to the target since the last reporting period?

Find a summary of requirements in the SSE Gap Analysis Checklist here

Example

Linking strategy, targets and assumptions

Carbon performance (based on 2024 data) In 2024, the Company's adjusted group intensity KPI was 1.75 tonnes of CO₂ emissions per tonne of crude steel ("tCO₂e/tcs"). Significant reductions are only likely to be made with the successful deployment of steelmaking and energy transformation projects. In order to view the trend for CO₂e intensity of steel only, the Company also reports the data for 2018, adjusted for structural changes to its portfolio to enable a like for like annual comparison. This shows a reduction of 5.4% since 2018, from 1.85tCO₂e/tcs to 1.75tCO₂e/tcs. The Company saw a 5.0% improvement in 2024, down to 1.62tCO₂e/tcs from the 2018 baseline of 1.71tCO₂e/tcs for its European adjusted KPI – CO₂e intensity of its steel operations (Scopes 1 and 2). The adjusted absolute emissions that correspond to the Company's global target KPI (Scope 1 and 2, steel and mining) decreased by 25% compared with 2018.

The following indicators are used to measure and monitor ArcelorMittal's decarbonization progress:

Climate change and decarbonization

Along with safety, climate change is a top material sustainability issue for ArcelorMittal. Since 2018, total absolute emissions of the Company's operations have reduced by 86 million tonnes CO₂ (approximately 46%), primarily due to footprint and asset optimization of some of ArcelorMittal's most CO₂ intensive capacity. In 2024, EAFs comprised 25% of the Group's global production, as compared with 19% in 2018.

ArcelorMittal's progress and activities related to decarbonization have been across four key areas:

- Disciplined, competitive decarbonization capital expenditures
- Securing the resources for the transition
- Fostering the development of a supportive environment for decarbonization, and
- Enabling the transition of key sectors.

Metric	Unit	Scope + perimeter	2018	2022	2023	2024	2018-2024 Reduction
Adjusted absolute CO ₂ e footprint ¹	Million tonnes	ArcelorMittal Scope 1+2	136.3	106.2	98.5	101.9	25 %
Adjusted absolute CO ₂ e footprint ¹	Million tonnes	Europe Scope 1+2	67.6	54.5	48.4	51.5	24 %
Adjusted Group CO ₂ e intensity KPI ¹ (steel and mining)	tCO ₂ e/tonne of steel	ArcelorMittal Scope 1+2	1.85	1.82	1.78	1.75	5.4 %
Adjusted Europe CO₂e intensity KPI¹ (steel)	tCO ₂ e/tonne of steel	Europe Scope 1+2	1.71	1.71	1.68	1.62	5.0 %
CO ₂ e intensity steel only ²	tCO ₂ e/tonne of steel	Steel Scope 1+2+ limited scope 3	2.09	1.98	1.96	1.87	10.7 %
Adjusted CO ₂ e intensity ^{1,2} steel only	tCO ₂ e/tonne of steel	Steel Scope 1+2+ limited scope 3	1.95	1.88	1.86	1.87	4.3 %

^{1.} These figures have been retrospectively adjusted for structural changes to the ArcelorMittal portfolio in the previous 12 months, and reflect emissions and production for ArcelorMittal's site portfolio as at December 2024 to enable a like for like annual comparison.

Example source: ArcelorMittal's 2024 Annual Report, pg. 60&61

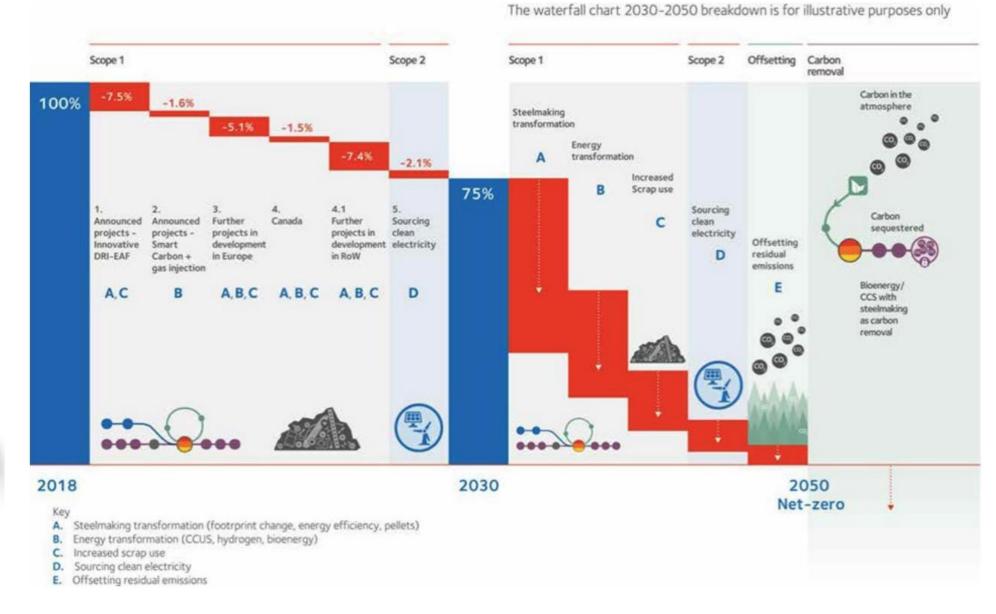




^{2.} This indicator includes limited upstream Scope 3 emissions from purchased goods that a steelmaker would normally be expected to produce, such as coke, slabs, burnt lime in order to maintain a consistent system boundary and so a like for like comparison.

Example

Linking strategy, targets and assumptions



Example source: ArcelorMittal's 2022 Annual Report, pg. 62



From TCFD to ISSB (metrics)



Disclosure requirements in IFRS S2 are broadly consistent with TCFD except, IFRS S2:

- Requires disclosure of industry-based metrics
- Requires additional disclosures related to a company's GHG emissions
- Sets out a Scope 3 measurement framework to provide guidance for preparing Scope 3
 GHG emissions disclosures
- Does not explicitly require a company to disaggregate its GHG emissions disclosures by the constituent gases, however IFRS S1 includes requirements on disaggregation that would result in the disclosure of the constituent gases being required if such disaggregation provides material information

Review the full comparison document of IFRS S2 and TCFD here.

From TCFD to ISSB (targets)



Disclosure requirements in IFRS S2 are broadly consistent with TCFD except, IFRS S2:

- Requires disclosures about how the latest international agreement on climate change has informed the target and whether the target has been validated by a third party
- Requires disclosure of more detailed information on GHG emissions targets
- Includes additional requirements on the approach to setting and reviewing each target,
 and how it monitors progress against each target

Review the full comparison document of IFRS S2 and TCFD here.



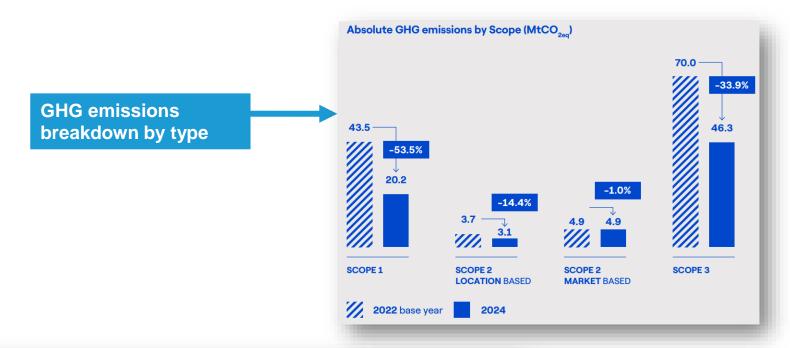


Companies shall disclose (measured in accordance with the GHG Protocol Corporate Standard):

- Scope 1: direct emissions
- Scope 2: indirect emissions from the generation of purchased energy consumed by the company
- Scope 3: all other indirect emissions that occur in the company's value chain
- Whether an internal carbon price is used for decision making
- Any climate-related considerations for executive remuneration

Example

GHG metrics



		LOCATION BASED			MARKET BASED			
		TOTAL (TCO _{2sq})			TOTAL (TCO _{20q})			
Activity	GHG Source description	2024	2022 Baseline (Restated)	×	2024	2022 Baseline (Restated)	×	
Power Generation and others	Electricity consumption from the grid in power plants, including hydro pumped-storage plants	386,787	635,237	-39.1%	634,762	846,206	-25.0%	
	Electricity consumption from the grid in terminal ports in Spain, PV manu- facturing site in Italy (3SUN) and non-operating mine site in Italy (Santa Barbara)	12,468	3,975	213.7%	1,939	1,630	18.9%	

GHG emissions breakdown by source

Source: Enel, <u>2024 GHG Inventory</u> 22-23

ZOOM POLL

Select the appropriate answer

The zoom poll should appear on your screen momentarily. If it does not appear, feel free to answer in the chat box or message the hosts directly.

7. What is the objective of metrics?:

(Select all that apply)

To enable report users to:

- a. Understand performance in relation to company's sustainability-related risks and opportunities.
- b. Understand progress towards any targets.
- c. Understand the company's assumptions for the future.

ALIGN



BASELINE

ADDITIONAL DISCLOSURES

Integrating other disclosure requirements that companies may be required to comply with

Building on the baseline

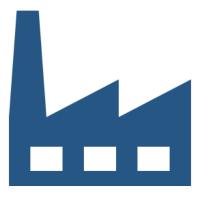




Listing requirements



Policy objectives



Industry standards



Other stakeholders

Jurisdictional consultations



- Jurisdictional progress towards the adoption or other use of ISSB Standards continues to gain momentum
- More that 20 have already committed to using ISSB Standards
- Dedicated support is available from the IFRS as part of a regulatory implementation programme
- A completed and ongoing jurisdiction consultations list is available: <u>IFRS Jurisdictional</u> <u>sustainability consultations</u>

Strategic relationships support interoperability



- CDP ISSB's climate standard is the foundational baseline for CDP's climate disclosure
- GHG Protocol governance arrangements so that the ISSB is actively engaged in updates to the GHG Protocol Corporate Standard
- GRI seeks to deliver full interoperability through jointly identifying and aligning common disclosures to deliver a seamless sustainability reporting system
- Transition Plan Taskforce (TPT) the IFRS Foundation will assume responsibility for TPT's disclosure-specific materials
- Taskforce on Nature-related Financial Disclosures (TNFD) ISSB will consider how to build upon the recommendations of the TNFD to meet investors' information needs

ISSB and **GRI**



January 202

Interoperability considerations for GHG emissions when applying GRI Standards and ISSB Standards

Contents

Introduction 1
Analysis of requirements in GRI 305 and IFRS S2 related to GHG emissions 2-4
Mapping of requirements in GRI 305 and IFRS S2 related to GHG emissions 5-12

Introduction

This document illustrates the areas of interoperability between GRI 305: Emissions 2016 (GRI 305) and IFRS S2 (limate-related Disclosurus (IFRS S2) that a company should consider when measuring and disclosing Scope 1, Scope 2 and Scope 3 greenhouse gas (GHG) emissions in accordance with both Standards. ¹²

This document is not a comprehensive assessment of the requirements in GRI 305 and IFRS S2. When applying GRI or ISSB Standards, preparers must refer to the GRI and ISSB Standards respectively, including their respective definitions of materiality.

According to the ISSB Standards, information is material if omitting, misstating or obscuring that information could reasonably be expected to influence investor decisions. ISSB Standards are founded to protein the internation produced of investors.

According to the GRI Standards set by the Global Sustainability Standards Board (GSSB), a topic is material when it represents an organisation's most significant impacts on the economy, environment and people, including impacts on their human rights. GRI Standards are focused on meeting the information needs of stakeholders, including investors.

This document uses the 2016 version of GRI 305, which is currently under revision, and will be updated to reflect changes to GRI 305.4

- This document does not analyse the circumstances in which companies are required to provide disclosures on GHG emissions.
- 2 The GRI Standards use 'organization' to refer to preparers and apply to all types of organizations and the ISSB Standards use 'entity' to refer to preparers. This document uses 'company' as an umbrella term.
- 3 An entity need not disclose information otherwise required by ISSB Standards if the information is not material, even if an ISSB Standard contains a list of specific requirements or describes them as minimum requirements (paragraph B25 of IFRS 51).
- See https://www.globalreporting.org/standards/standards-development/project-for-climate-change-standards-

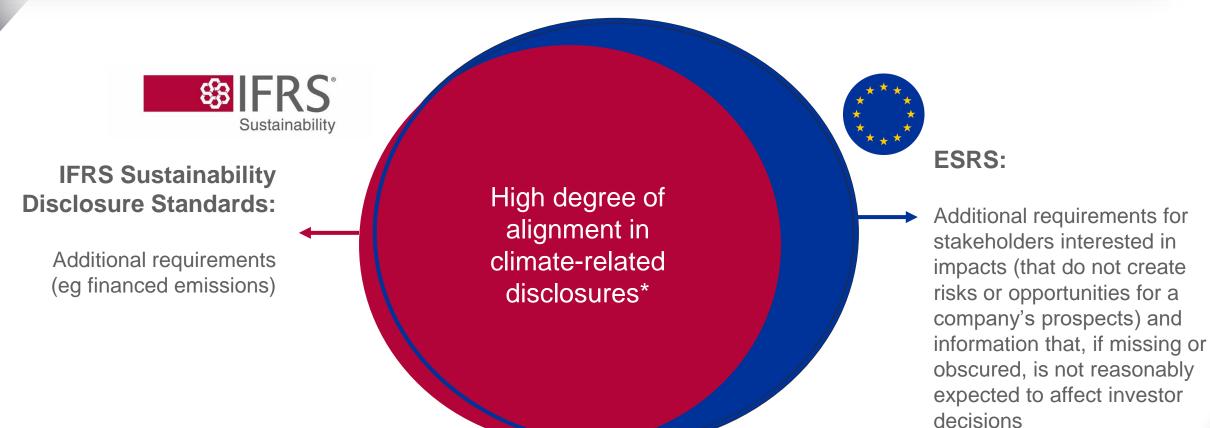




- GRI and IFRS Foundation are committed to jointly identify and align common disclosures that address information needs under the distinct scopes and purposes of respective standards, for both thematic and sector-based standard-setting
- GRI and IFRS Foundation published analysis and mapping for disclosing Scope 1, Scope 2 and Scope 3 GHG emissions with both GRI and IFRS S2
- Collaboration to deliver full interoperability, starting with GRI 101 Biodiversity Standard and ISSB's project on Biodiversity, Ecosystems and Ecosystem Services
- IFRS Foundation a convening partner of GRI's Sustainability Innovation Lab in Singapore

ESRS and **ISSB**

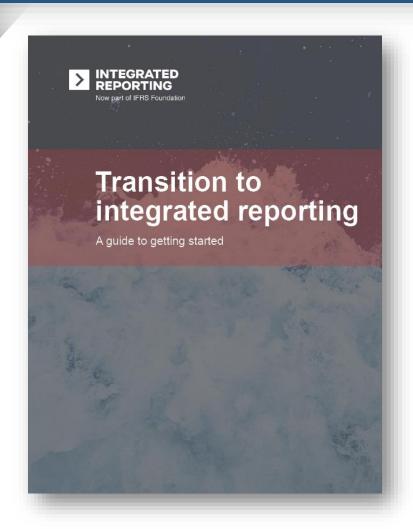




^{*} To read more on this, view the newly released ESRS-ISSB Standards Interoperability Guidance here.

Integrated Reporting





- The Integrated Reporting Framework and the requirements in IFRS S1 and IFRS S2 are complementary tools for investor-focused communications
- When used together with the ISSB Standards, the Integrated Reporting Framework can support a holistic view of the value creation process and provide a more complete picture of how value is created over time while meeting investor needs for material, comparable, consistent and reliable information on sustainability and climate-related information on risks and opportunities
- Tools to support IR and ISSB preparers include:
 - Dedicated FAQs
 - A mapping tool
 - A getting started guide to Integrated Reporting

Integrated Reporting (2)



How to apply the Integrated Reporting Framework with IFRS S1 and IFRS S2: A mapping tool

This table maps IFRS S1 and IFRS S2 core content disclosure requirements to the Integrated Reporting Framework content elements, showing one possible way to incorporate IFRS S1 and IFRS S2 disclosures within an integrated report. Thus the mapping does not capture all disclosures required by IFRS S1 and IFRS S2.

To comply with ISSB Standards, an entity must comply with the requirements as set out in IFRS S1 and IFRS S2. An entity cannot rely on this mapping tool as the basis for compliance with ISSB Standards. For more information and resources, visit the ISSB knowledge hub and disclaimer.

\$1

IFRS S1 and IFRS S2 are complementary standards to integrated reporting

- → they can help populating an integrated report with material and comparable standardised disclosures for users → IFRS S1 and IFRS S2 can help to strengthen the quality of integrated reports by potentially filling in some of the current reporting gaps
- Experienced integrated reporting adopters are well positioned to be the **frontrunners in the voluntary adoption** of IFRS S1 and IFRS S2
- Integrated thinking remains a critical enabler for the adoption of integrated reporting, IFRS S1 and IFRS S2

ZOOM POLL

Select the appropriate answer

The zoom poll should appear on your screen momentarily. If it does not appear, feel free to answer in the chat box or message the hosts directly.

8. My disclosure objectives should consider...

- a. The ISSB Standards only.
- b. The ISSB Standards and regulatory requirements.
- c. Just regulatory requirements.
- d. The ISSB Standards, regulatory requirements and other sources of guidance.

Module 2 Summary



Connectivity is key

While disclosure is based around core content areas (governance, strategy, risk management and metrics & targets), it's important to remember the connections between them and ensure the same assumptions are being used to the extent possible throughout

Baseline + building blocks

Additional disclosures can be made in the general purpose financial report, beyond that required by S1 and S2, including to satisfy wider stakeholders and regulatory requirements. The key is to **not obscure** information provided to meet the requirements of S1 and S2.

ALIGN ACTIVITY



Identify where you are now and where you want to be

- 1. Conduct a gap analysis to determine what areas your organization is not yet communicating to investors on. There is a simplified checklist in the homework sheet which can be used to start to identify key aspects of disclosure that should be considered for a high-level gap assessment.
- Identify what 'enhancements' or additional reporting requirements your
 organization wants to consider when setting a goal for sustainability-related disclosure
 practices.
- 3. Consider if there are additional topics, reporting processes or skillsets that may be required to meet your disclosure objectives.



Visit www.menti.com and type the code that we are sharing in the chat

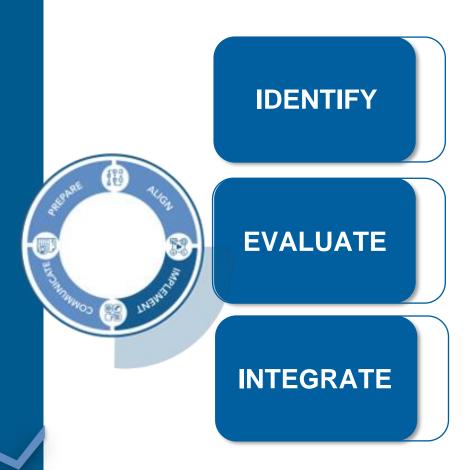
What are the key gaps you need to address in your current disclosures or internal processes?

MODULE 3



The backbone of effective disclosure – processes and practices

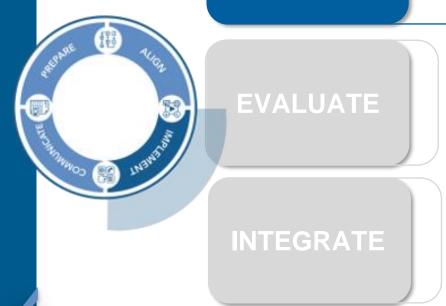
IMPLEMENT



IMPLEMENT

IDENTIFY

Identifying sustainability-related risks and opportunities



Guidance for developing sustainability disclosures



Which risks & opportunities?

To identify relevant risks and opportunities, a company uses ISSB Standards and **shall consider**:

SASB Standards

A company may also consider:

- IFRS Education Material on Sustainability-related risks and opportunities and the disclosure of material information
- CDSB Framework Application Guidance
- Industry practice
- Materials of investor-focused standard setters

Which information?

To identify what information to disclose, a company uses ISSB Standards, and for matters other than climate, **shall consider**:

SASB Standards

A company **may also consider**, to the extent it meets investor information needs:

- IFRS Education Material on Sustainability-related risks and opportunities and the disclosure of material information
- CDSB Framework Application Guidance
- Industry practice
- Materials of investor-focused standard setters
- GRI Standards
- European Sustainability Reporting Standards

Identifying sustainability-related risks and opportunities



Generally, risks and opportunities come from interactions between the company and its:

Stakeholders

with whom it works and serves



Society

in which it operates



Natural

resources upon which it draws



Together, the company and the resources and relationships throughout its **value chain** form an **interdependent** system in which the company operates.

Connecting the dots



The **resources and relationships** that a company **depends on and affects** can take various forms, such as natural, manufactured, intellectual, human, social or financial.

These can be:

- internal—such as the ability to attract and retain talent
- external—such as relationships with suppliers, distributors and customers

IFRS S1 provides examples illustrating the close relationship between the value a company creates, preserves or erodes for others and its own ability to succeed and achieve its goals.

Example

Identifying risks

RISK PROCESS



ESTABLISHING THE CONTEXT

Considering and understanding internal¹ and external² factors

OUTPUT:

Risk management goals and objectives, policy, and governance structure

IN CHARGE:

Enterprise Risk Management Team



MONITORING AND REVIEW

Checking and
ensuring that the risks are still relevant
and accurately representing the
company's risk universe

OUTPUT:

Updates to Ayala's risk portfolio, periodic risk management report, and annual risk management report

IN CHARGE:

CSRO, reported to the RMRPT Committee



•

RISK ASSESSMENT Identification, Analysis, Evaluation

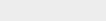
Evaluating and prioritizing business and climate-related risks based on their likelihood and impact on the company's viability and operations, as well as on other identified risks

OUTPUT:

Risk universe, dictionary, portfolio and analysis report

IN CHARGE:

Enterprise Risk Management Team, in collaboration with risk owners



Recommending the appropriate plan of action to address risks in functional areas

RISK TREATMENT

OUTPUT:

Risk treatment plan

IN CHARGE:

Risk owners, reviewed by the Enterprise Risk Management Team

COMMUNICATION AND CONSULTATION

Communicating and discussing the risks, action plans, and management process at various stages in the exercise

OUTPUT:

Inputs, insights, and recommendations on how to improve the process, plan, and strategy

IN CHARGE:

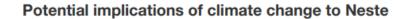
Senior management, business units, and other relevant stakeholders

Internal context includes business processes, organizational culture, values, standards, strategic objectives, and sustainability targets.

² External context includes, but is not limited to, political, financial, legal, technological, economic, social, and environmental factors, and sustainability megatrends, including natural hazards and climate change.

Example

Identifying opportunities



	Net Zero World 2050
Description	Rapid and radical emission reductions globally to meet Net Zero emissions by 2050 and limit global warming to 1.5°C, building on the IEA Net Zero 2050 Scenario.
Opportunities	The accelerated global demand for renewable and circular solutions provides Neste opportunities to leverage global reach, expand to new markets, and optimize across feedstocks, countries and customer sectors.
Risks	Accelerated global demand for renewable and circular solutions and supportive regulatory landscape may present transition risks related to stringent competition of key raw materials and in entering new markets.
Indicative financial impact to Neste	Positive

	Net Zero EU and North America by 2050	Compromised Climate Targets
Description	Advanced economies demonstrate strong climate action while developing economies follow slower, consistent with a 2°C trajectory, building on the IEA Announced Pledges Scenario.	Failure to take climate action leads to the continuation of the current trends, causing global warming of 2.5°C to 3°C or more by the end of the century. Scenario is partly building on the IEA Stated Policies Scenario.
Opportunities	Continued demand growth in renewable and circular solutions; regulatory markets supported by voluntary climate ambitions.	Modest demand growth in renewable products due to less favorable regulatory framework gives room for differentiation and serving selected voluntary markets efficiently.
Risks	Identified transition risks relate to regulation limiting the competitiveness of renewable fuels or narrowing the eligibility of key raw materials. A decline of fossil fuel demand could also be seen as a transition risk for Neste's current business. Risks related to accelerated alternative technology development have also been identified.	Transition risks include downscaled regulatory drivers, slowing down the demand growth for renewable products. In the long-term, physical risks related to chronic and acute climate change impacts can have significant negative effects on raw materials availability, supply chains and assets.
Indicative financial impact to Neste	Base case	Slightly negative

Example source: Neste Annual Report 2024, Pg. 118

Proportionality Mechanisms



In applying specific requirements, a company is required to use all reasonable and supportable information that is available at the reporting date without undue cost or effort

Reasonable and supportable information is information that:

- is specific to the company
- takes account of the external environment
- includes information about past events, current conditions and forecasts
- in some cases, is specified by IFRS Sustainability Disclosure Standards

IMPLEMENT

IDENTIFY



EVALUATE

Evaluating the risks and opportunities and testing resilience

INTEGRATE

Resilience & addressing uncertainty



Use climate-related scenario analysis to assess your climate resilience



Climate resilience assessment

- Implications of climate change for the company's strategy and business model; and
- Company's financial & operational capacity to adjust/adapt over short, medium and long term.



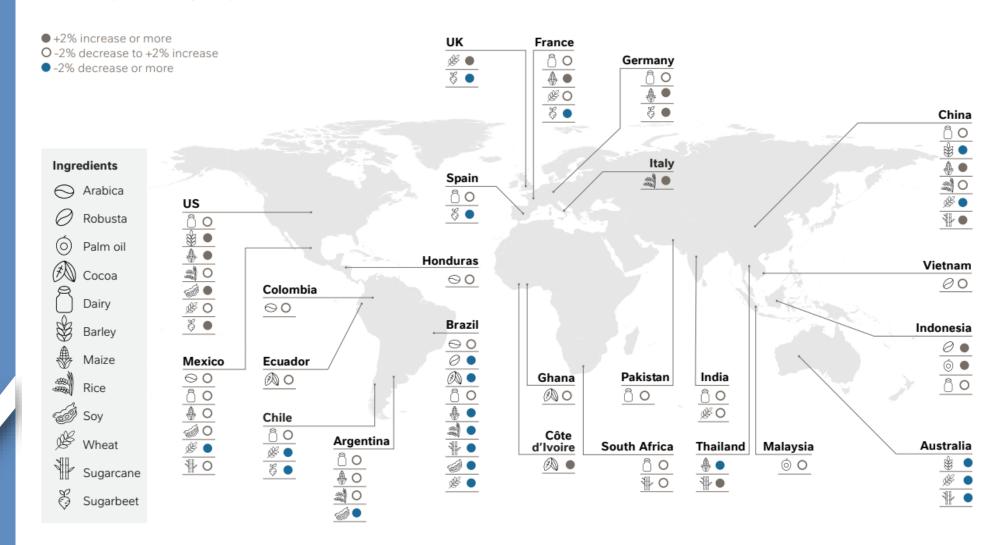
Inputs and key assumptions

- Use relevant scenarios, and provide information about scenarios selected; and
- Provide information on assumptions used.

Example

Scenario Analysis

Impact of climate and physical risks on Nestlé's key ingredient yields by 2040 Modeled yield changes by 2040 vs. 2022 based on intermediate emissions scenario.



Example source: Nestle Non-Financial Statement 2024, p.34

Future events & uncertain outcomes

3 Managara Little

When judging whether information about possible future events with uncertain outcomes is material, a company is required to consider:

- All pertinent facts and circumstances that could affect possible outcomes
- Potential effects on the amount, timing and uncertainty of the company's future cash flows over the short, medium and long term
- Low-probability and high-impact outcomes
- The effect of potential risks individually and in aggregate
- Materiality judgements reassess at each reporting date
- Scenario analysis is a useful tool for considering the range of future uncertainties and evaluating materiality and resilience accordingly. Resources that could help include the WBCSD Scenario Catalogue

IMPLEMENT

INTEGRATE



Development of new processes and integration of new considerations

Considerations when creating or adjusting processes



A company's management should assess existing systems and processes or determine whether new systems and processes are needed. Management may consider:

- Gap analysis –check for gaps in existing systems and processes;
- Suitability evaluate existing processes for identifying sustainability-related risks and opportunities;
- Prioritisation criteria for example, likelihood, impact, vulnerability, speed of onset;
- Controls evaluate existing internal risk controls;
- Contributors for example, departments with relevant processes and expertise to contribute;
- Interconnections between different internal and external factors; and
- Uncertainties from sustainability-related risks and opportunities.
- Resources in place to manage existing / new systems and processes

Source: WBCSD ESG Disclosure Handbook

Using a disclosure plan



By developing a disclosure plan as a stand-alone strategy or as part of a wider disclosure strategy, you can:

- Take control of your narrative
- Support internal collaboration, knowledge sharing and cross-functional team discussions with staff
- Create a reference point and audit trail, including where and how judgements have been made

Example

Developing a disclosure plan

1.2 Basis for preparation of the Sustainability statement

General reporting standards and principles

Our Sustainability statement has been prepared in accordance with the ESRS as required by the Danish Financial Statement Act. Information derived from other EU legislations is listed in section 5, table 1.

Certain disclosures have been prepared taking other sustainability reporting standards and guidelines into account, such as the Greenhouse Gas (GHG) Protocol, Science Based Targets initiative (SBTi), Science Based Targets Network (SBTN), Taskforce on Climate-related Financial Disclosures (TCFD), the Global Reporting Initiative Standards and the Danish Financial Statements Act's sections 99d and 107d (see pages 16 and 85-87). The International Sustainability Standards Board (ISSB) recently issued IFRS S1 and IFRS S2, making them effective, but voluntary, for annual reporting beginning on or after 1 January 2024. While we are not required to follow these standards and have not adopted the rules, we took them into account during the preparation of the Sustainability statement.

The time horizons considered for the preparation of the Sustainability statement are in line with those advised by the CSRD, and specifically up to one year as short-term, from one to five years as medium-term and more than five years for long-term.

We have not opted to omit information corresponding to intellectual property, know-how, results of innovation, impending developments or matters in the course of negotiation, but in this first year of preparation of the Sustainability statement we opted to use the phase-in provisions listed in ESRS 1 Appendix C applicable to Novo Nordisk. Similarly, all voluntary disclosures that we consider required for a fair representation have been included. Table 2 in section 5 includes an index of all the ESRS requirements we comply with.

Sources of estimation and outcome uncertainty

The use of estimates for performance metrics, including when upstream and downstream value chain data is included, is described in the individual accounting policies. Overall, metrics related to our own operations have a higher amount of primary data, while value chain metrics are often estimated and therefore have a higher level of measurement uncertainty. All assumptions and potential uncertainties are documented in the accounting policies. Forward-looking information, such as targets, are uncertain in nature and we refer to the section 'Forward-looking statements' on page 35 for further details.

Changes in preparation, presentation or due to specific circumstances Restatements of historical data due to reporting errors in previous periods, and/or changes to accounting policies, are only performed if the materiality threshold defined in our restatement guidelines is exceeded. Management provides the specific disclosures required by CSRD unless the information is not applicable or is considered immaterial to the decision-making of the primary users of the Sustainability statement. Restatements are primarily due to improvements in calculation methodology or new scientific evidence as we continuously work to improve the accuracy of our sustainability reporting. In 2024, the organisational scope of some metrics was expanded to include all entities, but this has not resulted in any restatements.



ZOOM POLL

Select the appropriate answer

The zoom poll should appear on your screen momentarily. If it does not appear, feel free to answer in the chat box or message the hosts directly.

9. Is a disclosure plan required by the IFRS Sustainability Disclosure Standards?

- a. Yes, you must disclose your plan.
- b. No, but it's a very helpful tool!

ZOOM POLL

Select the appropriate answer

The zoom poll should appear on your screen momentarily. If it does not appear, feel free to answer in the chat box or message the hosts directly.

10. A disclosure plan can help a company to: (Select all that apply)

- a. Take control of its narrative within general purpose financial reports.
- b. Support collaboration, knowledgesharing and cross-functional team discussions.
- c. Act as a reference point and audit trail for disclosure preparation.
- d. Skip full disclosure as prescribed by the ISSB.

Module 3 Summary



Connections are key (within and outside a company)

Risks and opportunities come from interactions between the company and its stakeholders, society and nature. These interactions will connect to multiple sections of disclosures and should be connected appropriately

Use consistent assumptions

When evaluating risks and opportunities through tools like scenario analysis, make sure that the assumptions you use are consistent to the extent possible throughout the company

Don't start from scratch

You may already be collecting the data you need, but for another purpose. If you are not, you may be able to use existing processes and adapt them to the new needs

IMPLEMENT ACTIVITY



Building on the gaps identified in the previous section, identify which of the gaps require new processes or systems in place to achieve your disclosure objectives

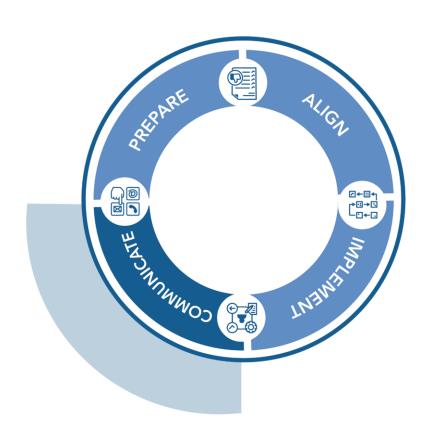
- Data collection: Identify how you can collect the data that is not being collected but is required to be disclosed by IFRS
- Data management: Identify what teams are responsible for managing this data and what synergies can be capitalized on
- Integration: Consider how these requirements can be integrated into your organization's strategic decision-making processes



Visit www.menti.com and type the code that we are sharing in the chat

What existing systems and processes for data collection can be adapted?

MODULE 4

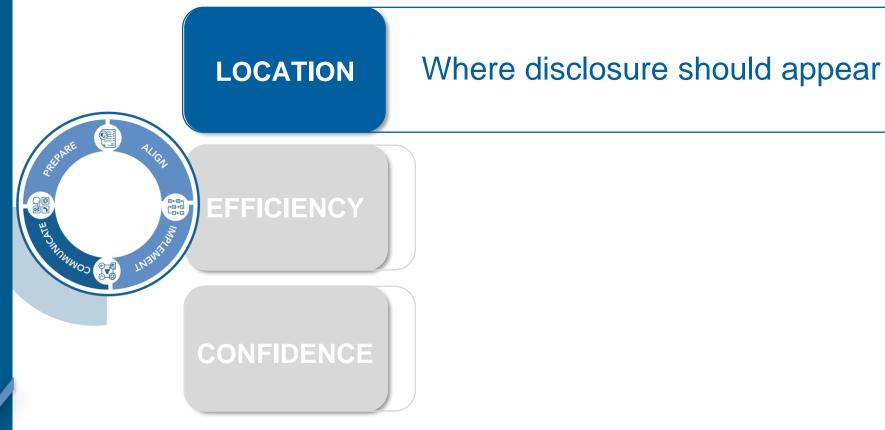


Communicating with investors – what, where and how

COMMUNICATE



COMMUNICATE



133

Holistic reporting package



INVESTOR FOCUSED

MULTI- STAKEHOLDER FOCUSED

Financial accounting





Sustainability-related financial reporting





Potential areas of focus for primary users



Generally, investors may want to understand:

- Effects of environmental degradation and social challenges on inputs of resources to the business, key relationships, and risks and opportunities
- Whether and how the company is managing sustainability-related risks and opportunities
- What types of assets the company holds and whether they are at risk of becoming stranded
- How the governance body takes account of sustainability-related risks and opportunities when designing strategy and making decisions
- How resilient the company is to possible future risks in different scenarios.

What is material information?



ISSB indicates that information is material if omitting, misstating or obscuring it could reasonably be expected to **influence investor decisions**.

- Consider the characteristics of the investors and the company's own circumstances
- Different investors can have different and sometimes conflicting information needs
- Sustainability-related financial disclosures are intended to meet the common information needs of investors

Test of materiality



Making materiality judgements

- Is the information material in the context of the company's sustainability-related financial disclosures taken as a whole?
- Have you considered both quantitative and qualitative factors?
- Have you considered the potential effect of future events on the company's future cash flows?
- Have you considered the range of possible outcomes and the likelihood of the possible outcomes?

Disclosing material information



When disclosing material sustainability-related financial information:

- Make it clearly identifiable (and do not obscure it)
- Use clear language
- Avoid scattering material information about a particular issue across disclosures
- Provide additional (non-material) information only if necessary but distinguish additional information from material information

Find the IFRS educational material on the disclosure of material information here

ZOOM POLL

Select the appropriate answer

The zoom poll should appear on your screen momentarily. If it does not appear, feel free to answer in the chat box or message the hosts directly.

11. Information should be disclosed in the annual report when applying ISSB Standards if...

(Select all that apply)

- a. Omitting that information could reasonably be expected to influence investors' decisions
- b. It could reasonably be expected to affect the company's cash flows
- c. It exemplifies the values of the leadership team

Where to report for ISSB



- Sustainability-related financial information is to be reported in the company's general purpose financial reports.
- Different requirements may apply in different jurisdictions.
- No requirements on exact placement of information.
- Examples of corporate approaches in practice:
 - Integrate
 - Separate
 - Navigate

OUR CAPITALS

Example

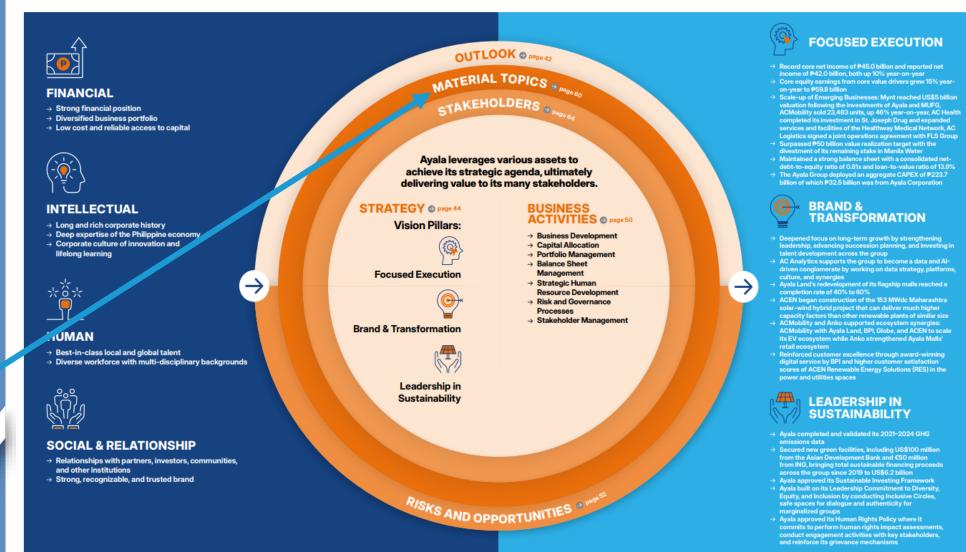
Page references

Integrating

information

CREATING VALUE

VALUE GENERATED



Example Source: Ayala Integrated Report 2024, pg 40-41

Evolution towards digital reporting



The ISSB Taxonomy provides the common elements (or 'tags') needed to make sustainability-related financial disclosures computer-readable



The ISSB Taxonomy reflects the requirements and accompanying materials of the ISSB Standards.

It does not introduce any new requirement.

COMMUNICATION



Effective Communication





This section sets out how a company might disclose its material sustainability-related financial information so that information is:

- Clear
- Distinguishable from other information
- Connected
- Comparable over time
- Succinct

Quality of information disclosed



To ensure quality of information, report prepares should remember:

- Provide comparative information
- Correct errors from previous years
- Minimize duplication
- Cross referencing to other reports meets conditions
- Information disclosed is:
 - Material
 - Connected
 - Aggregated or disaggregated, as appropriate

Cross-referencing



To keep general purpose financial reports succinct, companies can cross-refer to other reports they publish, provided that:

- Cross-referenced information is available on the same terms and at the same time
- The cross referencing enhances rather than obscures the ability of readers to understand the report
- The information included by cross-reference meets all the requirements of IFRS Sustainability Disclosure Standards
- The cross-referenced information is authorised in the same way as information in the general-purpose financial report
- It is clear where the cross-referenced information is located and how it can be accessed

Example

Cross-referencing

Annex 4: Reporting Index continued

IFRS content elements and concepts/SDG index

The following KPIs are used to measure and monitor progress.

IFRS content elements and concepts

Content element/concept	Our response
Organisational overview and external environment	See the Executive statement and the Business model in this 2024 Sustainability Report.
Governance	See Governance and risk management in this 2024 Sustainability Report.
Business model	See Business model in this 2024 Sustainability Report.
Risks and opportunities	See Governance and risk management in this 2024 Sustainability Report. For more on risk management - see Form 20F.
Strategy and resource allocation	See Executive statement, the Business model in this 2024 Sustainability Report. More information is also in the <u>Annual Report</u> and <u>Form 20-F</u> .
Performance	Performance on our most material sustainability topics is described throughout this 2024 Sustainability Report.
Outlook	See Executive statement, Governance and risk management in this 2024 Sustainability Report. See also Form 20-F.
Basis of presentation	See Form 20-F.



Commercially sensitive information



Companies are not required to disclose commercially sensitive information about a sustainability-related opportunity provided that:

- the information is not already publicly available
- disclosure of the information could reasonably be expected seriously to prejudice potential economic benefits the company would otherwise be able to realise;
- it is impossible to disclose the information without prejudicing seriously the economic benefits that would otherwise be realized;
- the company discloses the fact that it used the exemption for commercially sensitive information; and
- the company reassesses at each reporting date.

Consistent disclosures



Sustainability-related financial disclosures should be:

- Prepared for the same reporting company and reporting period as the financial statements
- Provided at the same time as the financial statements, as part of the general-purpose financial reports
- Include data and assumptions that are consistent with those in the financial statements, to the extent possible.

Aggregation / disaggregation



- Aggregate information to minimise scattering and increase understandability
- Do not let aggregation reduce understandability or obscure material information
- Disaggregate information to, for example:
 - Show the breakdown of sustainability-related risks by location; or
 - Distinguish resources drawn from environmentally stressed vs abundant areas

Mechanisms that support adoption



- Use of well-known terminology and concepts
- Proportionate e.g. use reasonable and supportable information available without undue cost or effort, qualitative scenario analysis permitted, plus consideration of skills, capabilities and resources
- Reliefs in first year e.g. climate first (followed by other sustainability disclosures), later reporting with half-year results, scope 3 not required, GHG Protocol not required if alternative in place, no comparative info required
- Guidance and other resources

ZOOM POLL

Select the appropriate answer

The zoom poll should appear on your screen momentarily. If it does not appear, feel free to answer in the chat box or message the hosts directly.

12. Information disclosed in accordance with the ISSB Standards should be:

(Select all that apply)

- a. Decision-useful
- b. Material
- c. Misleading
- d. Comparable

ZOOM POLL

Select the appropriate answer

The zoom poll should appear on your screen momentarily. If it does not appear, feel free to answer in the chat box or message the hosts directly.

13. Information is decision useful if it is... (Select all that apply)

- a. relevant and faithfully represent what it proports to represent
- b. comparable
- c. verifiable
- d. timely
- e. understandable

COMMUNICATION



CONFIDENCE

Maximizing confidence in disclosed information

Comparative information



- Disclose comparative information for the preceding reporting period for all amounts disclosed
- For estimates: revise comparatives according to new information and explain differences
- Specific requirements apply to redefined, replacement and new metrics
- If it enhances understanding, provide narrative information for the preceding reporting year



Using reasonable estimates

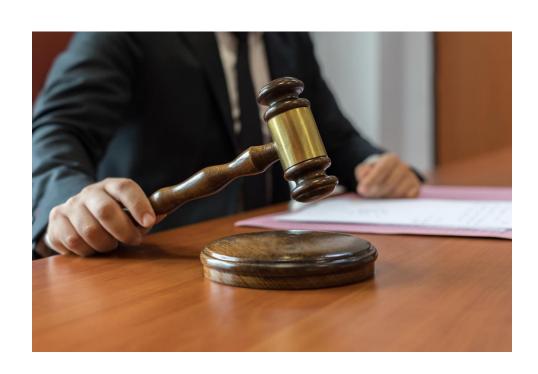


Companies can use reasonable estimates and assumptions when preparing sustainability-related financial information – it does not have to be perfectly precise in all respects. Judgement can be used. However:

- Estimates should be based on information of sufficient quality and quantity
- Estimates should be clearly identified as such and information provided about the inputs and methods used to produce the estimates
- Information about judgements must reflect both the judgements made and the information on which they are based
- Special requirements apply to measurement uncertainty and what to do when past assumptions and estimates change.

Statement of compliance





- Companies are required to make an explicit and unreserved statement of compliance when they have met all the requirements of IFRS Sustainability Disclosure Standards.
- Commercially sensitive information about a sustainability-related opportunity can be omitted if conditions are met.
- Information prohibited from disclosure by applicable local laws and regulations can be omitted.

Things to remember



Ensure information is:

- Relevant
- Material
- Represented
- Faithfully
- Comparable
- Verifiable
- Timely
- Understandable

Ensure that investors can understand connections between:

- Sustainability-related risks and opportunities
- Disclosures on core content
- Sustainability-related financial disclosures and financial statements

Ensure that disclosures:

- Are for the same period and same reporting company as the related financial statements?
- Cover all material information that investors need, including on core content
- Include comparatives
- Include a statement of compliance

Module 4 Summary



Be clear about your audience

The **format of the disclosure matters** – make sure that when communicating to investors you're providing the information investors need in the format they will use.

Less is more

This is not a competition for the most words on paper. **Only provide information that is deemed to be material** and be as clear and concise as possible.

Be confident in your data

If you're not confident in the data you report, how will investors be confident in it? By keeping clear audit trails, **ensuring practices are well documented**, and having appropriate oversight, you can be confident in your data!

COMMUNICATE ACTIVITY



- Presentation approach identify whether your company should present information in an integrated format (in one report), an autonomous format (a stand-alone sustainability report) or a combination, and why.
- Navigation techniques brainstorm techniques that can be used to navigate the reporting format you choose and ensure information is easy to identify. Consider for example:
 - □ Navigation techniques, icons, indexes? Get creative!
 - ☐ Highlight connections between information
 - ☐ Put similar pieces of information together



Visit www.menti.com and type the code that we are sharing in the chat

What techniques do you find useful in a report to make it easy to navigate?

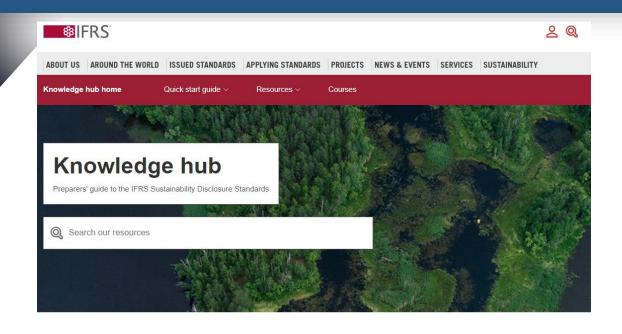


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Did we achieve our learning objectives?

What worked or did not work?

CONTINUE YOUR LEARNING



Videos



IFRS S1 Introduction

General overview of IFRS S1 presented by ISSB Vice-Chair Sue Lloyd and Acting Executive Technical Director Bryan Esterly

Watch video



IFRS S2 Introduction

Key features of IFRS S2 presented by ISSB Vice-Chair Sue Lloyd and ISSB Technical Staff—IFRS S2 Lead Caroline Clark-Maxwell

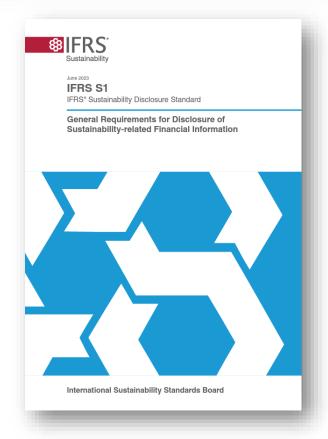
Watch video

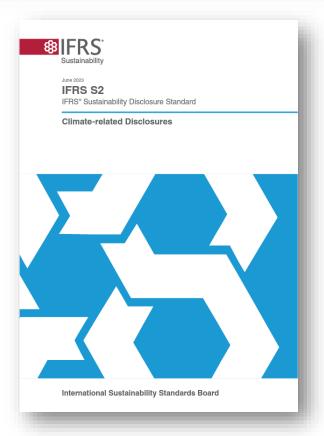
The IFRS knowledge hub is a free online resource for preparers designed to support them in understanding and getting ready for IFRS S1 and S2.

It incorporates an easy to navigate and searchable repository of resources, for example e-learning, case studies, good practice guidance, webinars, research, publications, FAQs on the standards and their implementation. The curated content will evolve over time.

IFRS.org/knowledgehub

CONTINUE YOUR LEARNING





Beyond the Balance Sheet aims to strengthen sustainability and climate disclosure and drive sustainable finance in emerging markets



One-stop shop providing guidance, framework, capacity building, and technical assistance to improve sustainability and climate reporting tailored to emerging markets.

Tools and resources comprising an online platform, digital toolkit, e-learning, company self-assessment, and extensive information to navigate the fast-evolving sustainability reporting landscape.

Training: jointly with UNSSE, CDP and IFRS Foundation, trained 35,000 participants in 100+ markets on climate and sustainability disclosure, expanding training to board members.

Public good for regulators and stock exchanges, providing resources and support to enhance transparency regulations in 20+ emerging markets.

Public good for companies and banks, providing resources to enhance their sustainability reporting journey and annual reports.



Knowledge Hub

Online Platform

Training

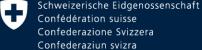
Capacity-building and support



www.ifcbeyondthebalancesheet.org







Swiss Confederation

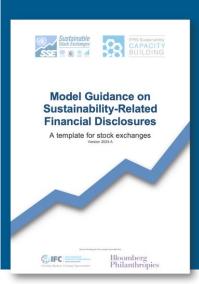
Federal Department of Economic Affairs, Education and Research EAER State Secretariat for Economic Affairs SECO





















Certificate of Participation

[FIRST_NAME LAST_NAME]

Participated in

ISSB: Applying the IFRS Sustainability
Disclosure Standards





3.5 CPD credits

PLEASE HELP US IMPROVE THIS TRAINING

Your feedback will help us to improve this module before offering it to your market. We appreciate you taking the time to fill in this feedback survey.

Click on the link in the chat.

THANK YOU TO OUR OFFICIAL SUPPORTERS









































































In partnership with





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IFC: rgermanova@ifc.org

Thank you!